Semi-purified diets/small domestic animal (sheep, goat) 49
Semi-purified diets/swine 49
Sera, bovine/ovine 64
Sera, caprine/ovine 64
Shelving for shoebox cages, aluminum—free-standing 32
Shelving for shoebox cages, aluminum—wall-mounted 32
Shelving for shoebox cages, stainless steel—free-standing 36
Shelving for shoebox cages, stainless steel—wall-mounted 36
Shipping Accessories 41
Shipping boxes/disposable, cat 41
Shipping boxes/disposable, dog 41
Shipping boxes/disposable, nonhuman primate 41
Shipping boxes/disposable, rabbit 41
Shipping boxes/disposable, rodent 41
Shipping boxes/reusable, cat 41
Shipping boxes/reusable, dog 41
Shipping boxes/reusable, nonhuman primate 41
Shipping boxes/reusable, rabbit 42
Shipping boxes/reusable, rodent 42
Shipping labels 83
Shoe covers 72
Shoebox (solid bottom)/ plastic 31
Shoebox (solid bottom)/stainless steel 31
Skin closures, butterfly 82
Skin closures, other 82
Skin closures, staples 82
Skin closures, strips 82
Skin closures, tapes 82
Skinner boxes and accessories 68
Skirts 77
Sleeves 72
Small domestic animal (sheep, goat) 42
Smoke and fire alarms/systems 88
Software 93
Solutions, sodium pentobarbital 71
Spider monkeys 14
Squirrel monkeys 14
Stainless steel lab tables 86
Stainless steel swine pens 40
Standard housing/aluminum 31
Standard housing/stainless steel 31
Steam sterilizers 78
Steel/heavy-duty shelving 86
Stereotaxic equipment 68
Sterilization 78
Stethoscopes, veterinary 68
Surgery services 89
Surgical Equipment and Supplies 80
Surgical instruments, conventional 82
Surgical instruments, disposable 83
Surgical instruments, veterinary 83
Surgical lights 80
Surgical scrubs 80
Surgical sponges 80
Surgical tables, combination 80
Surgical tables, lift 80
Surgical tables, restraint 80
Suspended wire bottom cages/plastic 31
Suspended wire bottom cages/stainless steel 31
Sutures, veterinary 83
Swine, swine/breed or stock 11
Swine, swine/miniature swine 11
Swine, swine/miniature swine piglets 11
Swine, swine/piglets 11
Swivels for tethering systems 68
Syringes 83
System piping material 44
Systemic autoimmune disease test kit 66

T

Tamarins 14
Tattoo equipment 83
Telemetry devices, fully implantable 68
Telemetry devices, jacketed 68
Temperature control and measurement combination devices 88
Temperature control devices, computer-assisted 88
Temperature control devices, conventional 88
Temperature monitoring devices 88
Temperature probes, conventional 68
Temperature probes, microprocessor controlled 68
Temperature recording devices, computer-assisted 88
Temperature recording devices, conventional 88
Temperature recording devices, paper tape/sheet 88
Teratology testing 92
Thermometers 88
Tissue culture media 65
Tissue cultures: rat tail collagen fibers 92
Toe clippers 83
Tonometers 68
Toxic waste disposal 90
Toxic waste disposal, consultation 90
Toxic waste disposal, service 90
Toxicology testing 92
Transgenic services 92
Transplantable tumor testing and characterization 92
Transport media 65

U

Ultrasonic instrument sterilizers 78
Ultraviolet sterilization systems 53
Urinalysis test system 66
Urine collection equipment 68
Used cages 31
UV and other sterilizers 78

V

Ventilators 80
Vervet/African greens 14
Veterinary care services 89
Veterinary table covers, drapes, and towels 80
Video production services 90
Virus testing 66
Vitamin/Mineral Supplements 53

W

Wall surfaces, indoor 88
Wall surfaces, outdoor 88
Walls and Floors 88
Waste Disposal 62
Water baths 71
Water Purification Systems 53
Water sampling accessories 53
Water sampling equipment 53
Water stills 76
Weighing Apparatus 84
Weighing tables/platforms (for large animals) 84
Wheeled Transport 42
Woodchucks 25

1998 EDITORIAL INDEX

Index of articles appearing in *Lab Animal* in 1998, listed in alphabetical order (by the primary author's last name; co-authors appear in parentheses).

A

Adamcak, Alexandra, DVM (Andrea Kaufman, DVM and Katherine Quesenberry, DVM). "What's Your Diagnosis? Generalized Alopecia in a Syrian (Golden) Hamster"; 27(6):19, June.

Allen, Matthew, MA, VetMB, PhD, MRCVS. "US and UK Control of Lab Animal Ex-

Semi-purified diets/small domestic animal (sheep, goat) 49
Semi-purified diets/swine 49
Sera, bovine/ovine 64
Sera, caprine/ovine 64
Shelving for shoebox cages, aluminum—free-standing 32
Shelving for shoebox cages, aluminum—wall-mounted 32
Shelving for shoebox cages, stainless steel—free-standing 36
Shelving for shoebox cages, stainless steel—wall-mounted 36
Shipping Accessories 41
Shipping boxes/disposable, cat 41
Shipping boxes/disposable, dog 41
Shipping boxes/disposable, nonhuman primate 41
Shipping boxes/disposable, rabbit 41
Shipping boxes/disposable, rodent 41
Shipping boxes/reusable, cat 41
Shipping boxes/reusable, dog 41
Shipping boxes/reusable, nonhuman primate 41
Shipping boxes/reusable, rabbit 42
Shipping boxes/reusable, rodent 42
Shipping labels 83
Shoe covers 72
Shoebox (solid bottom)/ plastic 31
Shoebox (solid bottom)/stainless steel 31
Skin closures, butterfly 82
Skin closures, other 82
Skin closures, staples 82
Skin closures, strips 82
Skin closures, tapes 82
Skinner boxes and accessories 68
Skirts 77
Sleeves 72
Small domestic animal (sheep, goat) 42
Smoke and fire alarms/systems 88
Software 93
Solutions, sodium pentobarbital 71
Spider monkeys 14
Squirrel monkeys 14
Stainless steel lab tables 86
Stainless steel swine pens 40
Standard housing/aluminum 31
Standard housing/stainless steel 31
Steam sterilizers 78
Steel/heavy-duty shelving 86
Stereotaxic equipment 68
Sterilization 78
Stethoscopes, veterinary 68
Surgery services 89
Surgical Equipment and Supplies 80
Surgical instruments, conventional 82
Surgical instruments, disposable 83
Surgical instruments, veterinary 83
Surgical lights 80
Surgical scrubs 80
Surgical sponges 80
Surgical tables, combination 80
Surgical tables, lift 80
Surgical tables, restraint 80
Suspended wire bottom cages/plastic 31
Suspended wire bottom cages/stainless steel 31
Sutures, veterinary 83
Swine, swine/breed or stock 11
Swine, swine/miniature swine 11
Swine, swine/miniature swine piglets 11
Swine, swine/piglets 11
Swivels for tethering systems 68
Syringes 83
System piping material 44
Systemic autoimmune disease test kit 66

T

Tamarins 14
Tattoo equipment 83
Telemetry devices, fully implantable 68
Telemetry devices, jacketed 68
Temperature control and measurement combination devices 88
Temperature control devices, computer-assisted 88
Temperature control devices, conventional 88
Temperature monitoring devices 88
Temperature probes, conventional 68
Temperature probes, microprocessor controlled 68
Temperature recording devices, computer-assisted 88
Temperature recording devices, conventional 88
Temperature recording devices, paper tape/sheet 88
Teratology testing 92
Thermometers 88
Tissue culture media 65
Tissue cultures: rat tail collagen fibers 92
Toe clippers 83
Tonometers 68
Toxic waste disposal 90
Toxic waste disposal, consultation 90
Toxic waste disposal, service 90
Toxicology testing 92
Transgenic services 92
Transplantable tumor testing and characterization 92
Transport media 65

U

Ultrasonic instrument sterilizers 78
Ultraviolet sterilization systems 53
Urinalysis test system 66
Urine collection equipment 68
Used cages 31
UV and other sterilizers 78

V

Ventilators 80
Vervet/African greens 14
Veterinary care services 89
Veterinary table covers, drapes, and towels 80
Video production services 90
Virus testing 66
Vitamin/Mineral Supplements 53

W

Wall surfaces, indoor 88
Wall surfaces, outdoor 88
Walls and Floors 88
Waste Disposal 62
Water baths 71
Water Purification Systems 53
Water sampling accessories 53
Water sampling equipment 53
Water stills 76
Weighing Apparatus 84
Weighing tables/platforms (for large animals) 84
Wheeled Transport 42
Woodchucks 25

1998 EDITORIAL INDEX

Index of articles appearing in *Lab Animal* in 1998, listed in alphabetical order (by the primary author's last name; co-authors appear in parentheses).

A

Adamcak, Alexandra, DVM (Andrea Kaufman, DVM and Katherine Quesenberry, DVM). "What's Your Diagnosis? Generalized Alopecia in a Syrian (Golden) Hamster"; 27(6):19, June.

Allen, Matthew, MA, VetMB, PhD, MRCVS. "US and UK Control of Lab Animal Ex-

perimentation"; 27(5):34, May.

Anderson, Sandra L. "Hazard Analysis: Preparing for Natural Disasters"; 27(1):24, January.

B

Balls, Michael, MA, DPhil, FIBiol. "Why is it Proving So Difficult to Replace Animal Tests?"; 27(5):44, May.

Bang, Debbie, LATG (Vicki Mack, LATG). "Enriching the Environment of the Laboratory Bullfrog (*Rana catesbeiana*)"; 27(6):41, June.

Bayne, Kathryn, MS, PhD, DVM (David P. Martin, VMD). "AAALAC International: Using Performance Standards to Evaluate an Animal Care and Use Program"; 27(4):32, April.

Brockway, Brian P. (Perry Mills and Klaas Kramer). "Product Focus: Fully Implanted Telemetry for Monitoring Laboratory Animals"; 27(8):40, September.

Bryant, Nelva J., DVM (Dirck L. Dillehay, DVM, PhD). "What's Your Diagnosis? Unilateral Testicular Atrophy in a Cynomologus Monkey (*Macaca fascicularis*)"; 27(7):23, July/August.

Bryant, Nelva J., DVM (Donald H. Schlafer, DVM, PhD and Budd C. Tennant, DVM, PhD). "What's Your Diagnosis? Uterine Masses in a Woodchuck"; 27(5):25, May.

Budman, Lucas A. "What's Your Diagnosis? Progressive Fur Loss in a Spayed Ferret"; 27(10):15, November.

Burris, Jennifer A., DVM (Bernard M. Flynn, DVM and Sandra L. Dexter, BS, RLATG). "What's Your Diagnosis? Novel Parasite in Macaques"; 27(9):21, October.

C

Chapman, Mary Ann, PhD. "Pigeon Perils: Occupational Pulmonary Disease"; 27(9):40, October.

Clarke, Sandra Paul. "The Newsletter as an Animal Care and Use Training Tool"; 27(6):37, June.

Contrera, Joseph F., PhD. "Transgenic Animals: Refining the Two-Year Rodent Carcinogenicity Study"; 27(2):30, February.

Coviello-McLaughlin, Gina, MLAS. "The Path of a Compound: An Oncology Perspective"; 27(9):42, October.

Cunliffe-Beamer, Terrie, DVM, MS. "From Here to There: Arranging a Shipment of Laboratory Rodents"; 27(5):49, May.

D

Duffee, Nicole, DVM, PhD (Michael T. Fallon, DVM, PhD). "Researcher Training: A New Frontier"; 27(8):32, September.

Durham, Mary, BS, CGFM (Donald W. DeYoung, DVM, PhD, Stephanie T. Cameron, BS, LATG, SRS and Susan E. Wilson-Sanders, DVM, MS). "Establishing Surgical Recharge Rates"; 27(7):26, July/August.

E

Ellenberger, Mary, DVM, MS. "Teaching the Public About Animal Models in Biomedical Research"; 27(10):30, November.

F

Freson, Steven J., AIA. "Animal Room Finishes: Selecting and Overseeing a Resinous Finish System"; 27(6):32, June.

G

Guy, Pamela D., DVM (Dennis L. Anderson, DVM, PhD and Kunwar K. Srivastava DVM, PhD). "What's Your Diagnosis? Swelling in a Kitten's Neck"; 27(2):23, March.

H

Halliday, Lisa, C., DVM (Jeffrey D. Fortman, DVM, and B. Taylor Bennett, DVM, PhD). "What's Your Diagnosis? Intrathoracic Mass in a Rhesus Monkey"; 27(2):23, February.

Hays, John T., DVM (Mark A. Suckow, DVM, George E. Jackson, JR, BS, RLATG, and Fred Douglas, BS, LATG). "Considerations in the Design and Construction of Facilities for Farm Animal Species"; 27(6):22, June.

Horne, Dee, LATG (Bryan Ogden, DVM, Jim Houts, BS, and Art Hall, DVM). "A Non-rebreathing Anesthetic Delivery System for Mice"; 27(7):32, July/August.

Houghtling, John L. "Outsourcing Your Animal Care Program"; 27(9):35, October.

Huggins, Jane, PhD. "Words and Word Patterns: Recognizing Alternatives to Animal Testing"; 27(2):45, February.

I

Ivey, Evelyn S., DVM (Heidi L. Hoefer, DVM). "What's Your Diagnosis? Pollakiuria in a Male Chinchilla"; 27(8):21, September.

J

Jacobson, Andrew. "Product Focus: Continuous Infusion and Chronic Catheter Access in Laboratory Animals"; 27(7):37, July/August.

K

Kirchain, Sharron, MBA, RLATG (Robert P. Marini, DVM). "A Tissue Harvesting Program as a Method for Implementing the 3Rs of Biomedical Research"; 27(8):37, September.

Kramer, Klaas (Hans-Peter Voss, PhD, Joop Grimbergen, and Aalt Bast, PhD). "Circadian Rhythms of Heart Rate, Body Temperature, and Locomotor Activity in Freely Moving Mice Measured with Radio Telemetry"; 27(8):23, September.

L

Lager, Kris, BS, MS, RLATG. "Apparatus and Technique for Conditioning Goats to Repeated Blood Collection"; 27(3):38, March.

Lamborn, Carolyn (Michael Denny). "Preparing for an Animal-Rights Related Crisis"; 27(1):32, January.

Leary, Steven M., DVM (John A. Majoros, AIA, PP and Jon S. Tomson, AICP). "Making Cage Wash Facility Design a Priority"; 27(6):28, June.

Lochmann, Rebecca, PhD. "Diets of Cultured Fish"; 27(1):36, January.

M

Martin, Lee, PhD (Carlos Porter-Cailliau, MD, PhD, Stephen D. Ginsberg, PhD, and Nael A. Al-Abdulla, MD). "Animal Models of Degenerative Disorders of the Human Brain"; 27(10):18, November.

Mench, Joy A., DPhil (Julie Morrow-Tesch, PhD and Ling-ru Chu). "Environmental Enrichment for Farm Animals"; 27(3):32, March.

Miller, John, DVM. "International Harmonization of Animal Care and Use: The Proof is in the Practice"; 27(5):28, May.

N

Novak, Gary, RLATG (Carolyn Lamborn). "Product Focus: Meeting the Standard for Rodent Caging and Bedding"; 27(1):41, January.

R

Roberts, Clifford R., DVM (Stacy J. Wong, BS). "Metabolic Heat Loads—Go Figure"; 27(4):36, April.

Rollman, Catherine, LATG (Kerry Olshan, LAT and Janis Hammer, VMD). "What's Your Diagnosis? Abdominal Distention in Lactating Mice"; 27(1):19, January.

Rookard, Antoinette, LATG (Eric Smith, PhD, Douglas Rosenblum, and Bruce Scharf, DVM). "Acute Onset of Death in Two Elderly Monkeys"; 27(4):23, April.

Ruggiero, Ronald F. "Product Focus: Selecting and Installing Cage Washers"; 27(4):40, April.

S

Seng, John E., PhD (William T. Allaben, PhD, Martin L. Nichols, Barbara D. Bryant, Clyde Ulmer, Joseph F. Contrera, PhD, and Julian E.A. Leakey, PhD). "Putting Dietary Control to the Test: Increasing Bioassay Sensitivity by Reducing Variability"; 27(2):35, February.

Shapiro, Ken, PhD. "Assessing Animal Models of Human Disorders: Validity *vs.* Productive Generativity"; 27(10):26, November.

Showalter, Janet. "ICH: Global Standards for Drug Development"; 27(2):31, February.

Skoula, Catherine M., BS, RLATG. "Indirect Costs and Animal Research"; 27(2):40, February.

Smith, Karla R. (Ronald A. Markle, PhD). "Capsaicin Use in Neonatal Rats: Husbandry and Welfare Concerns"; 27(10):38, November.

Swanson, Janice C., PhD. "Oversight of Farm Animals in Research"; 27(3): 28, March.

T

Taylor, Whitney J. (Mark L. Laudenslager, PhD). "Low-Cost Environmental Enrichment Plan for Laboratory Macaques"; 27(4):28, April.

W

Weyand, Mary E. "Product Focus: Methods for the Individual Identification of Laboratory Mice and Rats"; 27(10):42, November.

Whitehead, Sheila M. "Animals in Biomedical Research: Educating Students"; 27(5):40, May.

Wolfle, Tom, DVM, PhD. "The Future Ain't What it Used to Be"; 27(9):25, October.

A cross-referenced index of articles appearing in *Lab Animal* in 1998, listed in alphabetical order by subject.

Alternatives

Balls, Michael, MA, DPhil, FIBiol. "Why is it Proving So Difficult to Replace Animal Tests?"; 27(5):44, May.

Contrera, Joseph F., PhD. "Transgenic Animals: Refining the Two-Year Rodent Carcinogenicity Study"; 27(2):30, February.

Huggins, Jane, PhD. "Words and Word Patterns: Recognizing Alternatives to Animal Testing"; 27(2):45, February.

Kirchain, Sharron, MBA, RLATG (Robert P. Marini, DVM). "A Tissue Harvesting Program as a Method for Implementing the 3Rs of Biomedical Research"; 27(8):37, September.

Amphibians

Bang, Debbie, LATG (Vicki Mack, LATG). "Enriching the Environment of the Laboratory Bullfrog (*Rana catesbeiana*)"; 27(6):41, June.

Anesthesia

Horne, Dee, LATG (Bryan Ogden, DVM, Jim Houts, BS, and Art Hall, DVM). "A Non-rebreathing Anesthetic Delivery System for Mice"; 27(7):32, July/August.

Birds

Chapman, Mary Ann, PhD. "Pigeon Perils: Occupational Pulmonary Disease"; 27(9):40, October.

Career

Houghtling, John L. "Outsourcing Your Animal Care Program"; 27(9):35, October.

Wolfle, Tom, DVM, PhD. "The Future Ain't What it Used to Be"; 27(9):25, October.

Cats

Guy, Pamela D., DVM (Dennis L. Anderson, DVM, PhD and Kunwar K. Srivastava, DVM, PhD). "What's Your Diagnosis? Swelling in a Kitten's Neck"; 27(2):23, March.

Computer-Related

Duffee, Nicole, DVM, PhD (Michael T. Fallon, DVM, PhD). "Researcher Training: A New Frontier"; 27(8):32, September.

Huggins, Jane, PhD. "Words and Word Patterns: Recognizing Alternatives to Animal Testing"; 27(2):45, February.

Kirchain, Sharron, MBA, RLATG (Robert P. Marini, DVM). "A Tissue Harvesting Program as a Method for Implementing the 3Rs of Biomedical Research"; 27(8):37, September.

Cost-Analysis/Budget

Durham, Mary, BS, CGFM (Donald W. DeYoung, DVM, PhD, Stephanie T. Cameron, BS, LATG, SRS, and Susan E. Wilson-Sanders, DVM, MS). "Establishing Surgical Recharge Rates"; 27(7):26, July/August.

Skoula, Catherine M., BS, RLATG. "Indirect Costs and Animal Research"; 27(2):40, February.

Diet

Lochmann, Rebecca, PhD. "Diets of Cultured Fish"; 27(1):36, January.

Seng, John E., PhD (William T. Allaben, PhD, Martin L. Nichols, Barbara D. Bryant, Clyde Ulmer, Joseph F. Contrera, PhD, and Julian E.A. Leakey, PhD). "Putting Dietary Control to the Test: Increasing Bioassay Sensitivity by Reducing Variability"; 27(2):35, February.

Disaster Planning/Risk Assessment

Anderson, Sandra L. "Hazard Analysis: Preparing for Natural Disasters"; 27(1):24, January.

Lamborn, Carolyn (Michael Denny). "Preparing for an Animal-Rights Related Crisis"; 27(1):32, January.

Domestic Animals

Hays, John T., DVM (Mark A. Suckow, DVM, George E. Jackson, JR, BS, RLATG, and Fred Douglas, BS, LATG). "Considerations in the Design and Construction of Facilities for Farm Animal Species"; 27(6):22, June.

Lager, Kris, BS, MS, RLATG. "Apparatus and Technique for Conditioning Goats to Repeated Blood Collection"; 27(3):38, March.

Mench, Joy A., DPhil (Julie Morrow-Tesch, PhD and Ling-ru Chu). "Environmental Enrichment for Farm Animals"; 27(3):32, March.

Swanson, Janice C., PhD. "Oversight of Farm Animals in Research"; 27(3): 28, March.

Drug Development

Contrera, Joseph F., PhD. "Transgenic Animals: Refining the Two-Year Rodent Carcinogenicity Study"; 27(2):30, February.

Coviello-McLaughlin, Gina, MLAS. "The Path of a Compound: An Oncology Perspective"; 27(9):42, October.

Education

Ellenberger, Mary, DVM, MS. "Teaching the Public About Animal Models in Biomedical Research"; 27(10):30, November.

Whitehead, Sheila M. "Animals in Biomedical Research: Educating Students"; 27(5):40, May.

Enrichment

Bang, Debbie, LATG (Vicki Mack, LATG). "Enriching the Environment of the Laboratory Bullfrog (*Rana catesbeiana*)"; 27(6):41, June.

Mench, Joy A., DPhil (Julie Morrow-Tesch, PhD and Ling-ru Chu). "Environmental Enrichment for Farm Animals"; 27(3):32, March.

Taylor, Whitney J. (Mark L. Laudenslager, PhD). "Low-Cost Environmental Enrichment Plan for Laboratory Macaques"; 27(4):28, April.

Facility Design

Freson, Steven J., AIA. "Animal Room Finishes: Selecting and Overseeing a Resinous Finish System"; 27(6):32, June.

Hays, John T., DVM (Mark A. Suckow, DVM, George E. Jackson, JR, BS, RLATG, and Fred Douglas, BS, LATG). "Considerations in the Design and Construction of Facilities for Farm Animal Species"; 27(6):22, June.

Leary, Steven M., DVM (John A. Majoros, AIA, PP and Jon S. Tomson, AICP). "Making Cage Wash Facility Design a Priority"; 27(6):28, June.

Roberts, Clifford R., DVM (Stacy J. Wong, BS). "Metabolic Heat Loads—Go Figure"; 27(4):36, April.

Ruggiero, Ronald F. "Product Focus: Selecting and Installing Cage Washers"; 27(4):40, April.

Facility Management

Anderson, Sandra L. "Hazard Analysis: Preparing for Natural Disasters"; 27(1):24, January.

Freson, Steven J., AIA. "Animal Room Finishes: Selecting and Overseeing a Resinous Finish System"; 27(6):32, June.

Houghtling, John L. "Outsourcing Your Animal Care Program"; 27(9):35, October.

Leary, Steven M., DVM (John A. Majoros, AIA, PP and Jon S. Tomson, AICP). "Making Cage Wash Facility Design a Priority"; 27(6):28, June.

Roberts, Clifford R., DVM (Stacy J. Wong, BS). "Metabolic Heat Loads—Go Figure"; 27(4):36, April.

Ferrets

Budman, Lucas A. "What's Your Diagnosis? Progressive Fur Loss in a Spayed Ferret"; 27(10):15, November.

Fish

Lochmann, Rebecca, PhD. "Diets of Cultured Fish"; 27(1):36, January.

IACUC Issues

Clarke, Sandra Paul. "The Newsletter as an Animal Care and Use Training Tool"; 27(6):37, June.

Duffee, Nicole, DVM, PhD (Michael T. Fallon, DVM, PhD). "Researcher Training: A New Frontier"; 27(8):32, September.

Swanson, Janice C., PhD. "Oversight of Farm Animals in Research"; 27(3): 28, March.

Infusion

Jacobson, Andrew. "Product Focus: Continuous Infusion and Chronic Catheter Access in Laboratory Animals"; 27(7):37, July/August.

International Issues/Harmonization

Allen, Matthew, MA, VetMB, PhD, MRCVS. "US and UK Control of Lab Animal Experimentation";27(5):34, May.

Balls, Michael, MA, DPhil, FIBiol. "Why is it Proving So Difficult to Replace Animal Tests?"; 27(5):44, May.

Cunliffe-Beamer, Terrie, DVM, MS. "From Here to There: Arranging a Shipment of Laboratory Rodents"; 27(5):49, May.

Miller, John, DVM. "International Harmonization of Animal Care and Use: The Proof is in the Practice"; 27(5):28, May.

Showalter, Janet. "ICH: Global Standards for Drug Development"; 27(2):31, February.

Models

Contrera, Joseph F., PhD. "Transgenic Animals: Refining the Two-Year Rodent Carcinogenicity Study"; 27(2):30, February.

Ellenberger, Mary, DVM, MS. "Teaching the Public About Animal Models in Biomedical Research"; 27(10):30, November.

Martin, Lee, PhD (Carlos Porter-Cailliau, MD, PhD, Stephen D. Ginsberg, PhD, and Nael A. Al-Abdulla, MD). "Animal Models of Degenerative Disorders of the Human Brain"; 27(10):18, November.

Shapiro, Ken, PhD. "Assessing Animal Models of Human Disorders: Validity *vs.* Productive Generativity"; 27(10):26, November.

Smith, Karla R. (Ronald A. Markle, PhD). "Capsaicin Use in Neonatal Rats: Husbandry and Welfare Concerns"; 27(10):38, November.

Neuroscience

Martin, Lee, PhD (Carlos Porter-Cailliau, MD, PhD, Stephen D. Ginsberg, PhD, and Nael A. Al-Abdulla, MD). "Animal Models of Degenerative Disorders of the Human Brain"; 27(10):18, November.

Nonhuman Primates

Bryant, Nelva J., DVM (Dirck L. Dillehay, DVM, PhD). "What's Your Diagnosis? Unilateral Testicular Atrophy in a Cynomologus Monkey (*Macaca fascicularis*)"; 27(7):23, July/August.

Burris, Jennifer A., DVM (Bernard M. Flynn, DVM and Sandra L. Dexter, BS, RLATG). "What's Your Diagnosis? Novel Parasite in Macaques"; 27(9):21, October.

Halliday, Lisa, C., DVM (Jeffrey D. Fortman, DVM and B. Taylor Bennett, DVM, PhD). "What's Your Diagnosis? Intrathoracic Mass in a Rhesus Monkey"; 27(2):23, February.

Rookard, Antoinette, LATG (Eric Smith, PhD, Douglas Rosenblum, and Bruce Scharf, DVM). "Acute Onset of Death in Two Elderly Monkeys"; 27(4):23, April.

Taylor, Whitney J. (Mark L. Laudenslager, PhD). "Low-Cost Environmental Enrichment Plan for Laboratory Macaques"; 27(4):28, April.

Occupational Health and Safety

Chapman, Mary Ann, PhD. "Pigeon Perils: Occupational Pulmonary Disease"; 27(9):40, October.

Opinion

Balls, Michael, MA, DPhil, FIBiol. "Why is it Proving So Difficult to Replace Animal Tests?"; 27(5):44, May.

Ellenberger, Mary, DVM, MS. "Teaching the Public About Animal Models in Biomedical Research"; 27(10):30, November.

Shapiro, Ken, PhD. "Assessing Animal Models of Human Disorders: Validity *vs.* Productive Generativity"; 27(10):26, November.

Wolfle, Tom, DVM, PhD. "The Future Ain't What it Used to Be"; 27(9):25, October.

Performance Standards

Bayne, Kathryn, MS, PhD, DVM (David P. Martin, VMD). "AAALAC International: Using Performance Standards to Evaluate an Animal Care and Use Program"; 27(4):32, April.

Product Focus

Brockway, Brian P. (Perry Mills and Klaas Kramer). "Product Focus: Fully Implanted Telemetry for Monitoring Laboratory Animals"; 27(8):40, September.

Jacobson, Andrew. "Product Focus: Continuous Infusion and Chronic Catheter Access in Laboratory Animals"; 27(7):37, July/August.

Novak, Gary, RLATG (Carolyn Lamborn). "Product Focus: Meeting the Standard for Rodent Caging and Bedding"; 27(1):41, January.

Ruggiero, Ronald F. "Product Focus: Selecting and Installing Cage Washers"; 27(4):40, April.

Weyand, Mary E. "Product Focus: Methods for the Individual Identification of Laboratory Mice and Rats"; 27(10):42, November.

Regulatory Issues

Allen, Matthew, MA, VetMB, PhD, MRCVS. "US and UK Control of Lab Animal Experimentation";27(5):34, May.

Balls, Michael, MA, DPhil, FIBiol. "Why is it Proving So Difficult to Replace Animal Tests?"; 27(5):44, May.

Bayne, Kathryn, MS, PhD, DVM (David P. Martin, VMD). "AAALAC International: Using Performance Standards to Evaluate an Animal Care and Use Program"; 27(4):32, April.

Contrera, Joseph F., PhD. "Transgenic Animals: Refining the Two-Year Rodent Carcinogenicity Study"; 27(2):30, February.

Cunliffe-Beamer, Terrie, DVM, MS. "From Here to There: Arranging a Shipment of Laboratory Rodents"; 27(5):49, May.

Miller, John, DVM. "International Harmonization of Animal Care and Use: The Proof is in the Practice"; 27(5):28, May.

Showalter, Janet. "ICH: Global Standards for Drug Development"; 27(2):31, February.

Rodents

Adamcak, Alexandra, DVM (Andrea Kaufman, DVM and Katherine Quesenberry, DVM). "What's Your Diagnosis? Generalized Alopecia in a Syrian (Golden) Hamster"; 27(6):19, June.

Contrera, Joseph F., PhD. "Transgenic Animals: Refining the Two-Year Rodent Carcinogenicity Study"; 27(2):30, February.

Cunliffe-Beamer, Terrie, DVM, MS. "From Here to There: Arranging a Shipment of Laboratory Rodents"; 27(5):49, May.

Horne, Dee, LATG (Bryan Ogden, DVM, Jim Houts, BS, and Art Hall, DVM). "A Nonrebreathing Anesthetic Delivery System for Mice"; 27(7):32, July/August.

Kramer, Klaas (Hans-Peter Voss, PhD, Joop Grimbergen, and Aalt Bast, PhD). "Circadian Rhythms of Heart Rate, Body Temperature, and Locomotor Activity in Freely Moving Mice Measured with Radio Telemetry"; 27(8):23, September.

Novak, Gary, RLATG (Carolyn Lamborn). "Product Focus: Meeting the Standard for Rodent Caging and Bedding"; 27(1):41, January.

Rollman, Catherine, LATG (Kerry Olshan, LAT, and Janis Hammer, VMD). "What's Your Diagnosis? Abdominal Distention in Lactating Mice"; 27(1):19, January.

Seng, John E., PhD (William T. Allaben, PhD, Martin L. Nichols, Barbara D. Bryant, Clyde Ulmer, Joseph F. Contrera, PhD, and Julian E.A. Leakey, PhD). "Putting Dietary Control to the Test: Increasing Bioassay Sensitivity by Reducing Variability"; 27(2):35, February.

Smith, Karla R. (Ronald A. Markle, PhD). "Capsaicin Use in Neonatal Rats: Husbandry and Welfare Concerns"; 27(10):38, November.

Weyand, Mary E. "Product Focus: Methods for the Individual Identification of Laboratory Mice and Rats"; 27(10):42, November.

Surgery

Durham, Mary, BS, CGFM (Donald W. DeYoung, DVM, PhD, Stephanie T. Cameron, BS, LATG, SRS, and Susan E. Wilson-Sanders, DVM, MS). "Establishing Surgical Recharge Rates"; 27(7):26, July/August.

Telemetry

Brockway, Brian P. (Perry Mills and Klaas Kramer). "Product Focus: Fully Implanted Telemetry for Monitoring Laboratory Animals"; 27(8):40, September.

Kramer, Klaas (Hans-Peter Voss, PhD, Joop Grimbergen, and Aalt Bast, PhD). "Circadian Rhythms of Heart Rate, Body Temperature, and Locomotor Activity in Freely Moving Mice Measured with Radio Telemetry"; 27(8):23, September.

Testing

Balls, Michael, MA, DPhil, FIBiol. "Why is it Proving So Difficult to Replace Animal Tests?"; 27(5):44, May.

Contrera, Joseph F., PhD. "Transgenic Animals: Refining the Two-Year Rodent Carcinogenicity Study"; 27(2):30, February.

Huggins, Jane, PhD. "Words and Word Patterns: Recognizing Alternatives to Animal Testing"; 27(2):45, February.

Seng, John E., PhD (William T. Allaben, PhD, Martin L. Nichols, Barbara D. Bryant, Clyde Ulmer, Joseph F. Contrera, PhD, and Julian E.A. Leakey, PhD). "Putting Dietary Control to the Test: Increasing Bioassay Sensitivity by Reducing Variability"; 27(2):35, February.

Training

Clarke, Sandra Paul. "The Newsletter as an Animal Care and Use Training Tool"; 27(6):37, June.

Duffee, Nicole, DVM, PhD (Michael T. Fallon, DVM, PhD). "Researcher Training: A New Frontier"; 27(8):32, September.

Transgenics

Contrera, Joseph F., PhD. "Transgenic Animals: Refining the Two-Year Rodent Carcinogenicity Study"; 27(2):30, February.

Woodchucks

Bryant, Nelva J., DVM (Donald H. Schlafer, DVM, PhD and Budd C. Tennant DVM, PhD). "What's Your Diagnosis? Uterine Masses in a Woodchuck"; 27(5):25, May.

What's Your Diagnosis?

Adamcak, Alexandra, DVM (Andrea Kaufman, DVM and Katherine Quesenberry, DVM). "What's Your Diagnosis? Generalized Alopecia in a Syrian (Golden) Hamster"; 27(6):19, June.

Bryant, Nelva J., DVM (Dirck L. Dillehay, DVM, PhD). "What's Your Diagnosis? Unilateral Testicular Atrophy in a Cynomologus Monkey (*Macaca fascicularis*)"; 27(7):23, July/August.

Bryant, Nelva J., DVM (Donald H. Schlafer, DVM, PhD and Budd C. Tennant DVM, PhD). "What's Your Diagnosis? Uterine Masses in a Woodchuck"; 27(5):25, May.

Budman, Lucas A. "What's Your Diagnosis? Progressive Fur Loss in a Spayed Ferret"; 27(10):15, November.

Burris, Jennifer A., DVM (Bernard M. Flynn, DVM and Sandra L. Dexter, BS, RLATG). "What's Your Diagnosis? Novel Parasite in Macaques"; 27(9):21, October.

Guy, Pamela D., DVM (Dennis L. Anderson, DVM, PhD and Kunwar K. Srivastava, DVM, PhD). "What's Your Diagnosis? Swelling in a Kitten's Neck"; 27(2):23, March.

Halliday, Lisa, C., DVM (Jeffrey D. Fortman, DVM, and B. Taylor Bennett, DVM, PhD). "What's Your Diagnosis? Intrathoracic Mass in a Rhesus Monkey"; 27(2):23, February.

Ivey, Evelyn S., DVM (Heidi L. Hoefer, DVM). "What's Your Diagnosis? Pollakiuria in a Male Chinchilla"; 27(8):21, September.

Rollman, Catherine, LATG (Kerry Olshan, LAT, and Janis Hammer, VMD). "What's Your Diagnosis? Abdominal Distention in Lactating Mice"; 27(1):19, January.

Rookard, Antoinette, LATG (Eric Smith, PhD, Douglas Rosenblum, and Bruce Scharf, DVM). "Acute Onset of Death in Two Elderly Monkeys"; 27(4):23, April.

Reading a routed copy?

Subscribe today.

Simply fill out and return a subscription request card.

Advertisers Index

ADVERTISER	PG#	RS#
ABSORPTION CORP	54	301
ACCUSCAN	63	380
ACE ANIMALS	24	335
AIMS	82	336
ALLENTOWN CAGING EQUIP	27	302
ALLENTOWN CAGING EQUIP	37	303
ALTERNATIVE DESIGN	39	337
ANCARE	51	305
ANCARE	33	425
ANESCO	79	306
ANI LYTICS INC	86	391
ANIMAL BIOTECH INDUS	20	413
ANIMAL CARE SYSTEMS	28	414
ANMED BIOSAFE	91	421
ANTECH	19	420
ARCHER FARMS	19	307
B&K UNIVERSAL	23	339
BABCO	52	424
BARTON'S	87	409
BARTON'S	24	410
BARTON'S	11	411
BELL ENVIRONMENTAL	47	392
BIO BREEDERS	19	423
BIOCON, INC	83	415
BMDS	60-61	393
BUCKSHIRE CORPORATION	14	394
BUTLER FARMS	12	308
CANBRANDS INTERNATIONAL	45	309
CASTER TECHNOLOGY	25	310
CEDAR RIVER LABORATORIES	14	311
CELLPOINT	63	349
CHARLES RIVER LABS	C4	312
COLD SPRING PRODUCTS	40	313
COLUMBUS INSTRUMENTS	70	314
COVANCE	10	315
DATA SCIENCES INTL	69	408
DAVIDSON MILL BREEDING	18	395
GARB-EL PRODUCTS	54	396
GENERAL ECOLOGY	41	397
GIRTON MANUFACTURING	55	379
HALLOWELL INC	72	368
HARE MARLAND	12	398
HARLAN	C3	317
HARLAN	15	304
HASCO TAG CO	80	398
HAYCOCK	22	399
HILL TOP	4	318
HILL TOP	19	353
IITC	58	400
INOTECH BIOSYSTEMS	58	412
INSTECH LABS	59	366
LAB PRODUCTS	34-35	319
LENDERKING	30	419
LGL ANIMAL	28	407
LIBERTY RSCH, INC	18	401
LOMIR	57	320
MARSHALL FARMS	6	321
MINI MITTER	64	377
MOULTON CHINCHILLA RANCH	25	322
MYRTLES RABBITY	16	402
NATIONAL BAND & TAG	82	348
NEGUS CONTAINERS	19	324
NEUROTRON	74	350
NUAIRE	C2	325
OVIS	11	422
PARK BIOSERVICES	63	363
PLAS LABS	75	381
POCONO RABBIT FARM	23	416
PURINA	8	327
RAZEL	63	403
REES SCIENTIFIC	62	328
RIDGLAN HSD	17	329
ROBOZ	79	382
RSI	18	404
SCIENTEK	50	358
SHEPHERD SPECIALTY	3	330
SIMONSEN LABS	17	383
SIMS DELTEC	73	372
SINCLAIR RESEARCH	84	405
SNYDER MANUFACTURING	70	406
STERIS CORP	48	384
STRAHMAN VALVES	29	355
SUMMIT RIDGE FARMS	21	347
TACONIC	13	331
TBJ INC	67	352
THERION CORP	89	354
THERMOCARE	65	345
TRIPLE F FARMS	14	417
VET EQUIP	77	333
VIKING	81	418
VWR SCIENTIFIC PRODUCTS	85	385